

**Amendments to the Specification:**

Please replace the paragraph, beginning at page 7, line 12, with the following rewritten paragraph:

Referring to figure 1, a light-duty turbo-charged direct-injection diesel engine ~~(not shown)~~ 28 discharges its exhaust, containing *inter alia* HC and soot, into a system comprising reactors 10 and 12, connected together for gas flow at region 14. Region 14 is shown by pecked lines to indicate that the connection may be short or may be relatively long, for example with reactor 10 at the engine outlet and reactor 12 under the vehicle body. Such a long connection may itself provide cooling or may include a finned region. Reactor 10 optionally includes at its inlet 16 the sparging spray injector 18. It essentially includes bed 20, of catalyst primarily for oxidation of HC and CO, the HC content of the gas entering bed 20 being HC exhausted by the engine, possibly augmented by HC injected at 18. Control means ~~(not shown)~~ 30 responsive to the temperature of the gas leaving bed 20 regulates engine inlet conditions and HC injection at 18, to keep the temperature of bed 20 high enough for sufficiently rapid HC oxidation.